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PCT/JP2002/011785

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

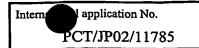
Applicant's or agent's file reference F-1521	FOR FURTHER ACTION SeeNotificationofTransmittalofInternational Preliminary Examination Report (Form PCT/IPEA/416)						
International application No.	International filing date (day/month/year)		Priority date (day/month/year)				
PCT/JP02/11785	12 November 2002 (12.11.02)	06 June 2002 (06.06.02)				
International Patent Classification (IPC) or national classification and IPC C07B 59/00 // C07M 5:00							
Applicant WAKO PURE CHEMICAL INDUSTRIES, LTD.							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of	4 sheets, include	ling this cover	sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a to	otal ofsheets.						
3. This report contains indications rela	ting to the following items:						
$_{ m I}$ Basis of the report							
II Priority							
III Non-establishment	of opinion with regard to nove	lty, inventive s	tep and industrial applicability				
IV Lack of unity of inv	vention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
VI Certain documents cited							
VII Certain defects in the international application							
VIII Certain observations on the international application							
Date of submission of the demand	Date	of completion	of this report				
20 March 2003 (20.0	3.03)	20 N	Tovember 2003 (20.11.2003)				
Name and mailing address of the IPEA/JP	Auti	norized officer					
Facsimile No.	Tele	phone No.					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

	Interna	application No.
ĺ	PC	CT/JP02/11785

I. Basis of the report				
. With regard to the elements of the international application:*				
the international application as originally filed				
the description:				
pages, as originally filed				
pages, filed with the demand				
pages, filed with the letter of				
the claims:				
pages , as originally filed				
pages, as amended (together with any statement under Article 19				
pages, filed with the demand				
pages, filed with the letter of				
the drawings:				
pages , as originally filed				
pages, filed with the demand				
pages, filed with the letter of				
the sequence listing part of the description:				
pages, as originally filed pages, filed with the demand				
pages, filed with the letter of, nied with the demand				
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/ or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has				
been furnished. 4. The amendments have resulted in the cancellation of:				
the description, pages				
the claims, Nos the drawings, sheets/fig				
the drawings, sneets/fig				
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).				
** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:					
	the entire international application.				
\boxtimes	claims Nos8				
becaus	se:				
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary example of the said claims of the	amination (specify):			
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):				
	the claims, or said claims Nos	are so inadequately supported			
	no international search report has been established for said claims Nos.	8			
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:					
	the written form has not been furnished or does not comply with the standard.	***			
	the computer readable form has not been furnished or does not comply with the standard.				

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-7	YES
	Novelly (14)	Claims		NO NO
			1-7	— YES
	Inventive step (IS)	Claims		 NO
		Claims		
	Industrial applicability (IA)	Claims	1-7	YES
		Claims		NO

Citations and explanations

Document 1: JP 63-198638 A (Hoechst AG), 17 August 1988 & EP 276675 A2 & DE 3701302 A1 & CN 88100364 A

Document 2: EP 203588 A2 (Mitsubishi Rayon Co., Ltd.), 3

December 1986 & JP 61-275241 A & DE 3689206

A1 & NO 862126 A & CA 1265814 A & US 5221768

A

Document 3: JP 10-139694 A (Dainippon Ink and Chemicals, Inc.), 26 May 1998 (Family: none)

Claims 1-7 are novel and involve an inventive step relative to documents 1-3, cited in the international search report.

Documents 1-3 do not disclose or suggest a process wherein a compound having a methyl group or alkylene group of C2 or more bound directly to an aromatic ring is placed under closed reflux in a deuterated solvent in the presence of activated palladium-carbon, in order to bring about the deuteration of hydrogen atoms.